

FIG. 1

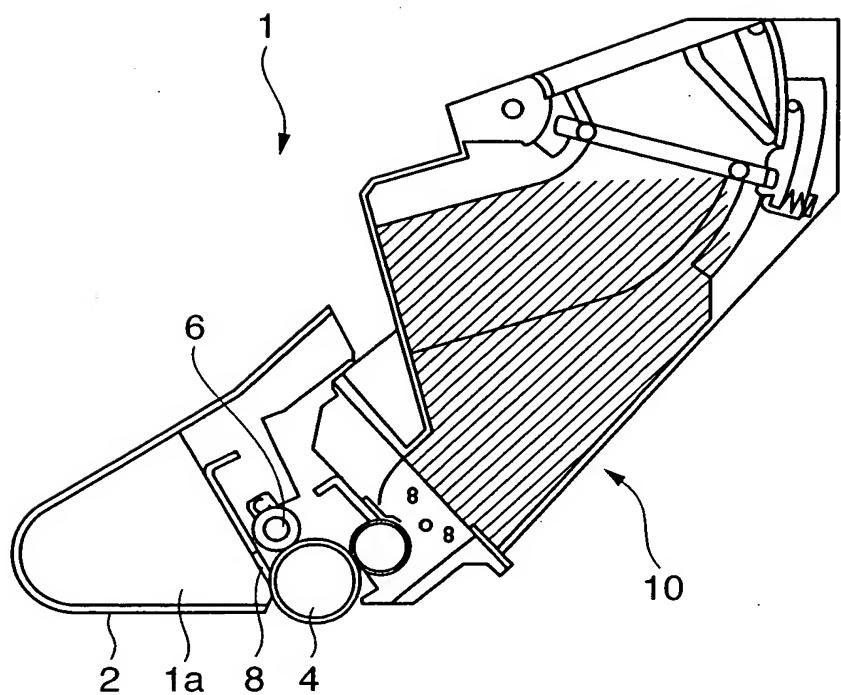


FIG. 2

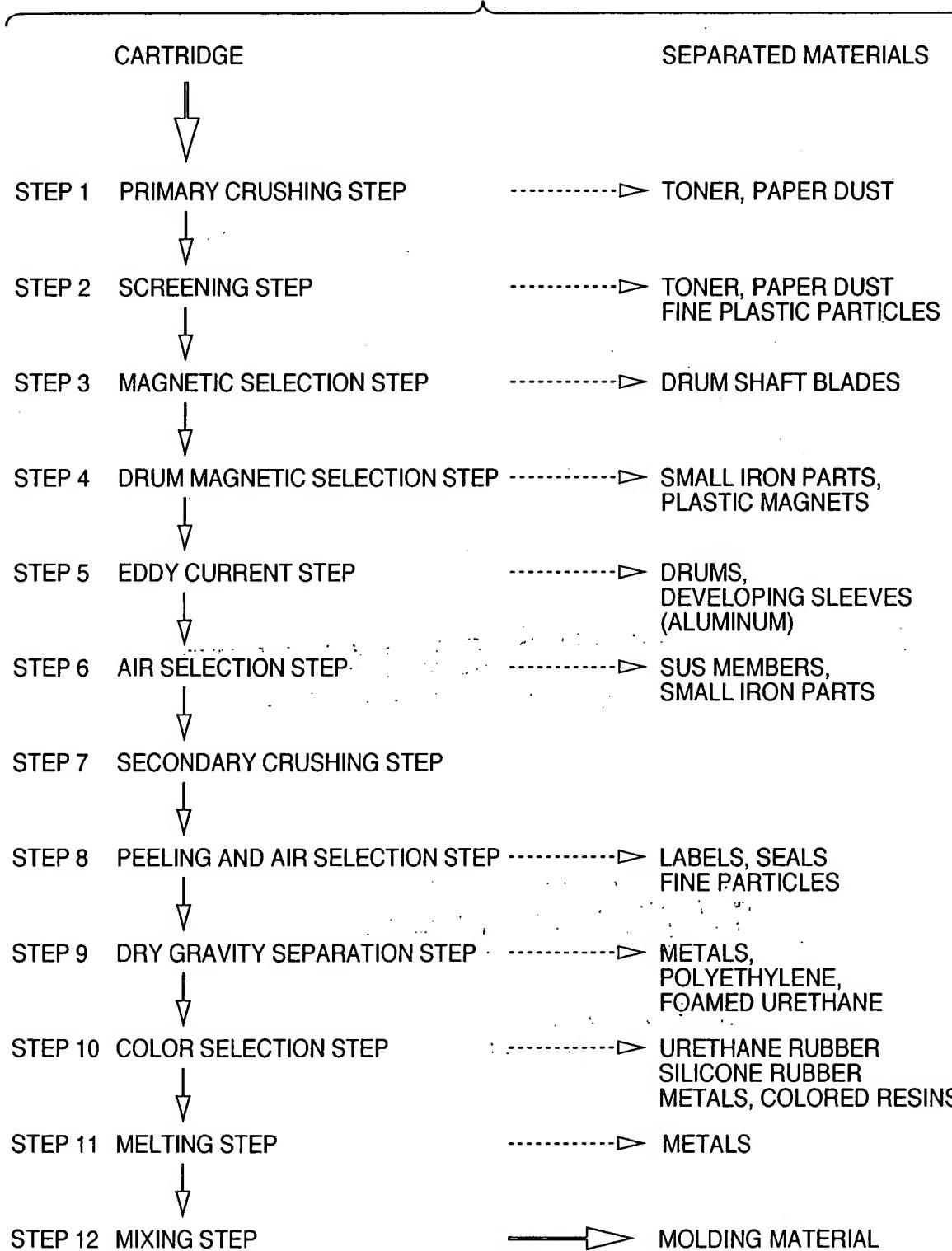


FIG. 3

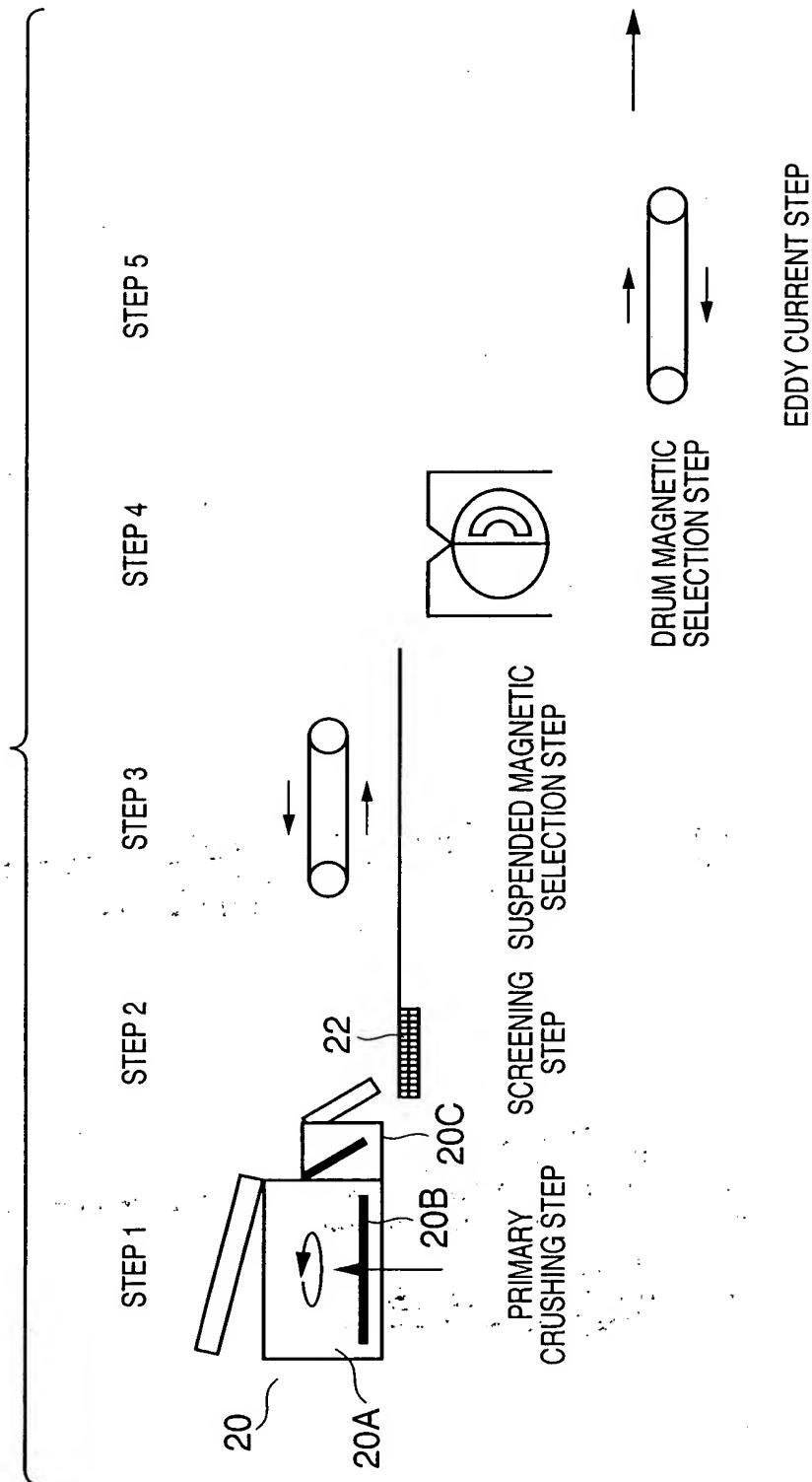


FIG. 4

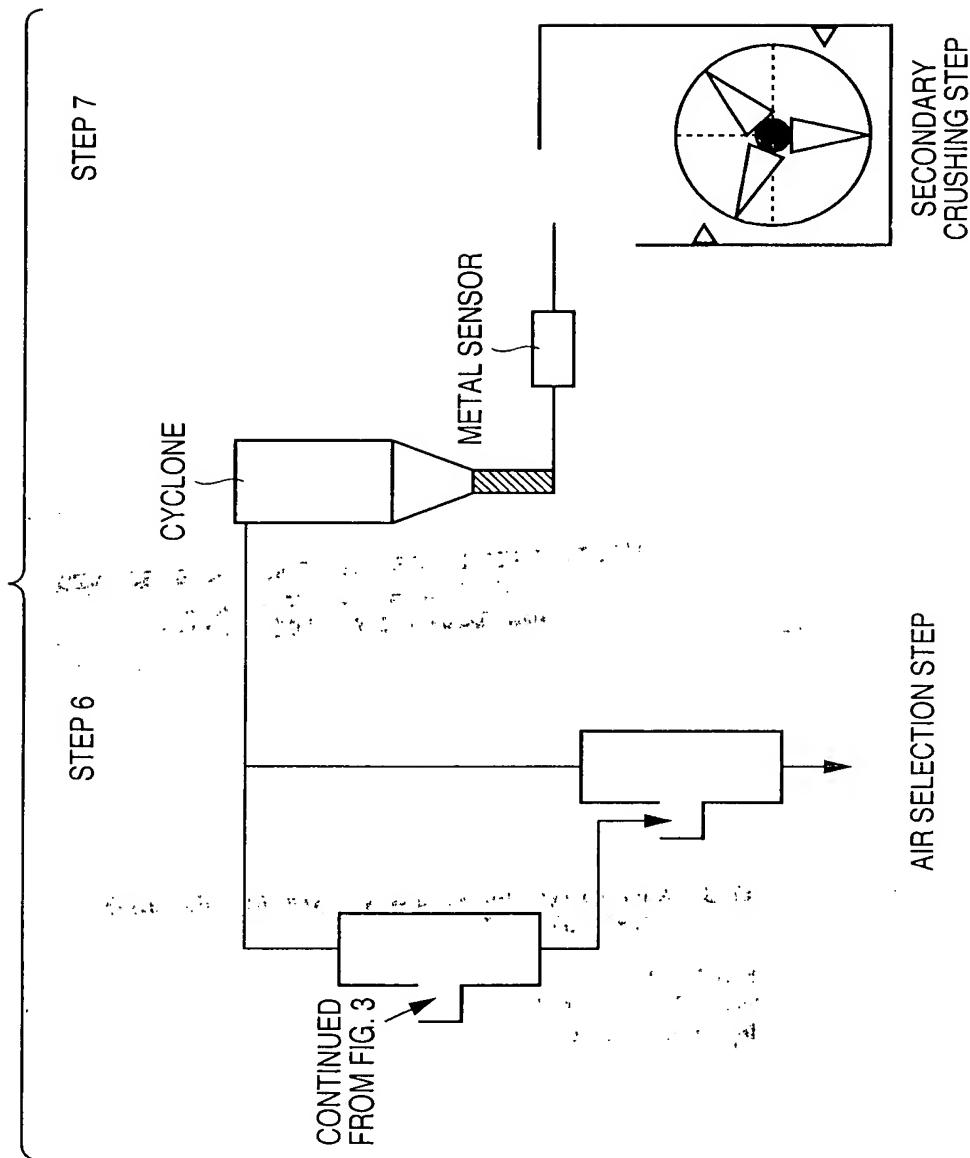


FIG. 5

STEP 8

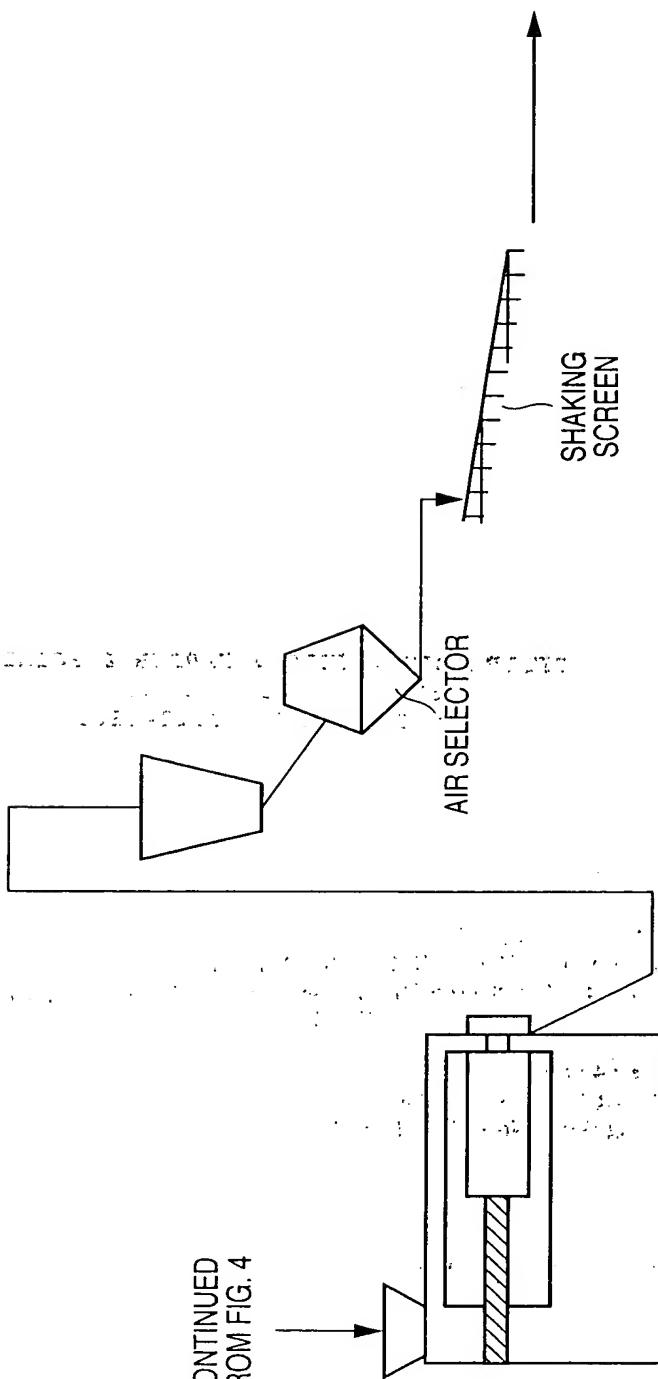
CONTINUED
FROM FIG. 4PEELING AND AIR
SELECTION STEP

FIG. 6

STEP 9

CONTINUED
FROM FIG. 5

STEP 10

DRY GRAVITY
SEPARATION STEP

COLOR SELECTION STEP

FIG. 7

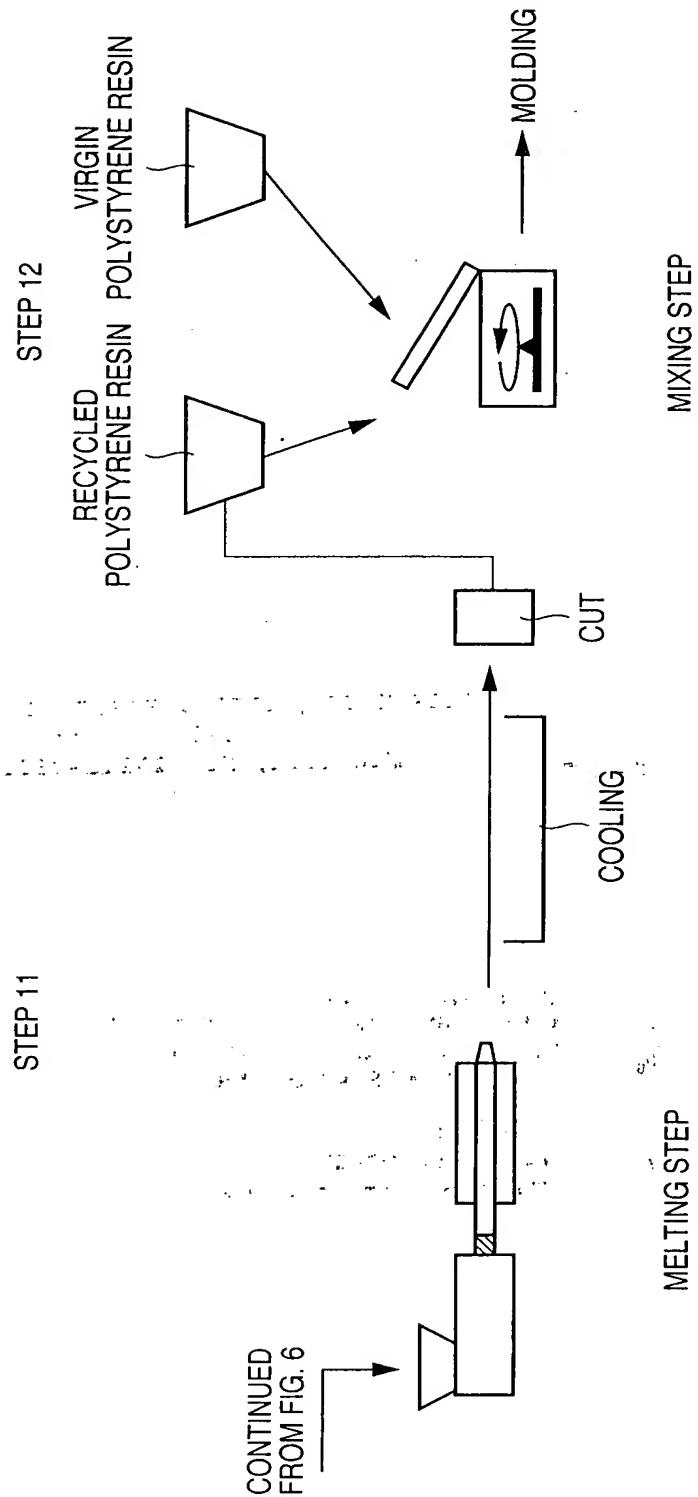


FIG. 8

| PLASTIC REFLECTION DENSITY MEASUREMENT RESULTS | | | | |
|--|----------|--------------------|------|------|
| COLOR | MATERIAL | REFLECTION DENSITY | | |
| | | MIN | MAX | AV |
| BLACK 1 | HIPS | 1.5 | 1.59 | 1.54 |
| BLACK 2 | HIPS | 1.55 | 1.66 | 1.62 |
| BLACK 3 | HIPS | 1.31 | 1.5 | 1.4 |
| GRAY 1 | HIPS | 1.21 | 1.37 | 1.29 |
| BLUE 1 | PP | 0.53 | 0.68 | 0.58 |
| GREEN 1 | PP | 0.54 | 0.64 | 0.59 |
| VERMILION 1 | ABS | 0.5 | 0.55 | 0.52 |
| MILK WHITE 1 | POM. | 0.37 | 0.41 | 0.39 |
| MILK WHITE 2 | POM | 0.22 | 0.32 | 0.25 |

FIG. 9

| MEASUREMENT APPARATUS : Macbeth RD914 (MONOCHROME MODE) | | |
|--|------|------|
| TEST ITEMS | A | B |
| GRAVITY | 1.12 | 1.11 |
| MI (g / 10min) | 4.1 | 4.1 |
| TENSILE BREAK STRENGTH (Mpa) | 26 | 25 |
| BENDING STRENGTH (Mpa) | 43 | 44 |
| IZOD IMPACT STRENGTH (KJ / m ²) | 8 | 7.5 |
| FLAMMABILITY | V-2 | V-2 |
| SHRINKAGE FACTOR 200mm (%) | 0.59 | 0.58 |